

Compressor Technical Data

Model: NT2160U

Code: 842AA04

Description

Refrigerant:	R-290	Displacement (cm ³):	17,39
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	450
Application:	LBP	Motor Type:	CSIR
HP:	3/4	Starting Torque:	HST
Efficiency:	4,63	Type of Test:	ASHRAE32
Capacity:	2398,00		

Approval

VDE

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Vertical	Copper	9,60
Discharge Connector	Vertical	Copper	6,42
Process Connector	Vertical	Copper	6,42

Oil Cooler:	
Base Plate:	Universal
Tray Holder:	No
Weight (kg):	17,20

Application

Maximum ambient temperature (°C):	43
Expansion device:	Capillary/ Valve
Cooling:	Fan Cooling
Air flow rate:	

Mechanical Data

Bill of materials:	842AA04
Starting torque:	High Starting Torque
Bore (mm):	34,12
Stroke (mm):	9,52
Weight (kg):	17,20

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	2,70
Winding Resistance (25°C) - Run:	13,80

Check Point - Condensing Temperature 54,4 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Efficiency +/-7%		
	(°C)	(kcal/h)	(W)			(Btu/h)	(W)	(A)
-23,3	602	700	2.389	521	3,39	1,16	1,34	4,59

Condensing Temperature 35 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
	(°C)	(kcal/h)	(W)				(Btu/h)	(W)	(A)
-40	299	347	1.185	308	2,72	3,50	0,97	1,13	3,84
-35	387	451	1.537	358	2,85	4,55	1,08	1,26	4,30
-30	504	586	1.998	406	2,99	5,93	1,24	1,44	4,92
-25	647	752	2.567	453	3,15	7,64	1,43	1,66	5,66
-20	817	951	3.244	500	3,31	9,68	1,64	1,90	6,49
-15	1.015	1.180	4.028	545	3,48	12,07	1,86	2,17	7,39
-10	1.239	1.442	4.919	590	3,66	14,80	2,10	2,44	8,33

Condensing Temperature 45 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
	(°C)	(kcal/h)	(W)				(Btu/h)	(W)	(A)
-40	256	298	1.015	309	2,74	3,00	0,83	0,96	3,28
-35	347	403	1.376	366	2,89	4,07	0,95	1,10	3,76
-30	462	537	1.832	422	3,05	5,43	1,09	1,27	4,34
-25	600	698	2.381	478	3,24	7,08	1,25	1,46	4,98
-20	762	886	3.025	535	3,44	9,02	1,42	1,66	5,65
-15	948	1.102	3.762	592	3,66	11,27	1,60	1,86	6,35
-10	1.157	1.346	4.592	651	3,89	13,81	1,78	2,07	7,06

Condensing Temperature 55 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
	(°C)	(kcal/h)	(W)				(Btu/h)	(W)	(A)
-40	213	247	844	303	2,72	2,49	0,70	0,82	2,78
-35	304	354	1.208	367	2,89	3,57	0,83	0,96	3,29
-30	417	484	1.653	432	3,09	4,90	0,96	1,12	3,82
-25	549	638	2.179	499	3,31	6,48	1,10	1,28	4,37

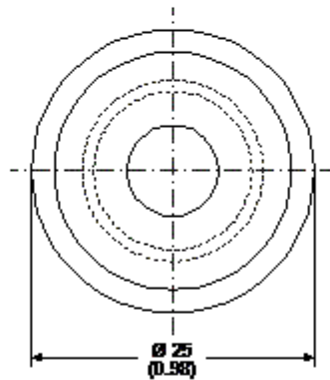
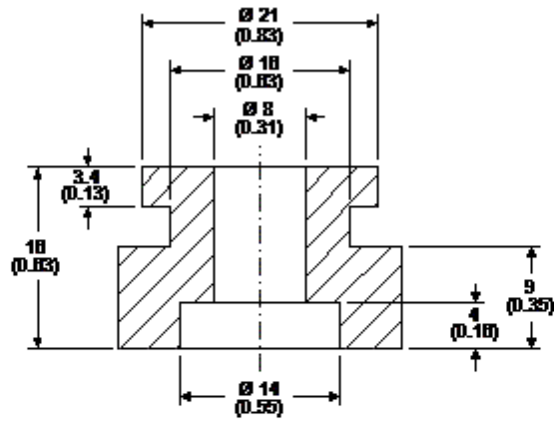
-20	702	816	2.784	567	3,56	8,30	1,24	1,44	4,91
-15	874	1.017	3.469	638	3,83	10,39	1,37	1,59	5,44
-10	1.067	1.241	4.234	710	4,13	12,74	1,50	1,75	5,96

Dimensions

Rubber Grommet

Engineering Code	13146411
Dimensions	mm (Inch)

The grommets are made of special rubber and used in the nut and bolt type or in the snap on type assembly. The rubber grommet, the dimensions of which are shown in the figure below, was developed for installation in compressors with 16 and 19 mm diameters holes in the base plate.



Accessories